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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/941,780	08/30/2001	Takeo Tsukamoto	35.C15727	7587		
5514 75	5514 7590 07/29/2004			EXAMINER		
FITZPATRIC 30 ROCKEFEI	K CELLA HARPER &	VU, DAVID HUNG				
NEW YORK,			ART UNIT	PAPER NUMBER		
			2828	2828		
			DATE MAIL ED: 07/20/2004			

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Applicati	on No.	Applicant(s)				
		09/941,7	80	TSUKAMOTO, TAKEO				
		Examine	7	Art Unit				
		David Vu		2821				
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply								
THE - External after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR R MAILING DATE OF THIS COMMUNICATION Insions of time may be available under the provisions of 37 C SIX (6) MONTHS from the mailing date of this communication In period for reply specified above is less than thirty (30) days, In period for reply is specified above, the maximum statutory properties of the properties of the period for reply will, by It is precised by the Office later than three months after the Interest of the patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no evon. a reply within the state oriod will apply and w statute, cause the app	ent, however, may a reply be tin tutory minimum of thirty (30) day till expire SIX (6) MONTHS from dication to become ABANDONE	nely filed s will be considered timel the mailing date of this c D (35 U.S.C. § 133).				
Status								
1) 🛛	Responsive to communication(s) filed on	01 June 2004.						
	_							
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
5) 6) 7)	4) Claim(s) 1-15 and 19-65 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-15 and 19-65 are subject to restriction and/or election requirement.							
Applicati	on Papers							
9)[The specification is objected to by the Exa	miner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ι	ınder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
Attachmen								
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date								
3) Inform	nation Disclosure Statement(s) (PTO-1449 or PTO/S r No(s)/Mail Date		5) Notice of Informal P 6) Other:		O-152)			

Election/Restrictions

1. This application contains claims directed to the following patentably distinct species of the claimed invention:

Claims 1-13 are directed to an electron-emitting apparatus with particular electric field.

Claims 14-15,19-20,44-45,60,62-63, and 65 are directed to an electronemitting apparatus having graphenes stacked non-parallel to a carbon fiber axis.

Claims 50-58 are directed to an electron-emitting apparatus having electrodes not insulated with an insulating layer.

Claims 46-48 are directed to an electron-emitting apparatus having electrodes insulated with an insulating layer.

Claims 61 and 64 are directed to an electron-emitting apparatus having graphenes not perpendicular to a carbon fiber axis.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claims 21 and 34 are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added.

An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Art Unit: 2821

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

2. Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Vu whose telephone number is (571) 272-1831. The examiner can normally be reached on M-F 8am-430pm.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2821

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

David Vu

Primary Examiner Art Unit 2821

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